

**AMENDMENTS TO THE CLAIMS:**

Kindly amend claims 1, and 3-6, as shown below.

This listing of claims will replace all prior versions and listings of claims in the  
Application:

**Claim 1 (currently amended):** A fuel cell system ~~[[haing]]~~having:

a fuel cell provided with a fuel electrode, an oxidant electrode and an electrolyte  
membrane sandwiched between them, and

a fuel supply system supplying fuel to said fuel electrode, comprising;

a gas discharge unit provided with a filter at a part of a member which excludes a  
reaction part of said fuel electrode and is in contact with the fuel,

wherein said filter is constituted of a substrate and a carbon dioxide permselective  
membrane provided on the substrate.

**Claim 2 (original):** The fuel cell system of Claim 1,

wherein the fuel to be supplied is liquid fuel and said substrate is a vapor-liquid  
separation membrane.

**Claim 3 (currently amended):** The fuel cell system of Claim 1 ~~[[or 2]]~~,

wherein said carbon dioxide permselective membrane has a thickness of 5  $\mu\text{m}$  or less.

**Claim 4 (currently amended):** The fuel cell system of ~~any one of Claims 1 to 3~~, Claim 1,

wherein said filter has a structure further provided with a porous membrane on said  
carbon dioxide permselective membrane.

**Claim 5 (currently amended):** The fuel cell system of ~~any one of Claims 1 to 4~~, Claim 1,

wherein said gas discharge unit is provided with a chamber communicated with said  
fuel supply system through said filter; and

a catalyst is disposed in said chamber or on the wall surface of the chamber.

**Claim 6 (currently amended):** The fuel cell system of ~~any one of Claims 1 to 4~~, Claim 1,

wherein said gas discharge unit is provided with;

a first chamber that has an air port provided with a filter and is communicated with said fuel supply system through said filter; and

a second chamber that is communicated with said first chamber and provided with a catalyst in the chamber or on the wall surface of the chamber.

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